

**PHARMACEUTICAL PREPARATIONS FOR TREATMENTS OF  
DISEASES AND DISORDERS OF THE BREAST**

**ABSTRACT OF THE DISCLOSURE**

Formulations for topical or local administration of drugs directly to the breast or chest to produce a regional or local effect with lower systemic drug levels than when an effective amount is administered systemically are disclosed herein. In a preferred embodiment, the drug is administered to the surface of the breast, areola, or directly to the nipple. The formulations provide increased patient comfort, increased bioavailability and relatively high blood levels in the region to be treated with a reduction of side effects compared to those administered systemically. The preferred formulations contain drugs in the form of micro or nanoparticles, which may be formed of drug alone or in combination with an excipient or carrier. The excipient or carrier may modify the release rates or enhance absorption into the affected area. The drug formulation may be in the form of a cream, lotion or foam.